



DEPARTMENT OF THE NAVY
COMMERCIAL ACQUISITION DEPARTMENT, BUILDING 11
NAVAL UNDERSEA WARFARE CENTER DIVISION, NEWPORT
CODE 59, SIMONPIETRI DRIVE
NEWPORT RI 02841-1708

IN REPLY REFER TO:

4200
Ser 15913/179
2001 Oct 25

Gentlemen:

The Naval Undersea Warfare Center Division, Newport requests your help in enhancing competition for a forthcoming solicitation. Please provide comments on the attached *Draft Solicitation* N66604-02-RFC-0331, for the Wide Aperture Array (WAA) Outboard Electronics Canister (OBE) Program.

The Outboard Electronics Canister (OBE) specified herein is a component of the Wide Aperture Array (WAA) AN/BQG-5 Sonar System and the AN/BSY-2 Sonar System. The WAA array consists of a total of six panels, each panel having 64 hydrophone staves. Each hydrophone stave is composed of seven individual hydrophones. Each OBE provides the necessary signal conditioning, preamplifiers, multiplexing, and other electronic signal conditioning for one of the hydrophone staves (seven hydrophones). Thus there are 384 OBE canisters per AN/BQG-5/BSY-2 System. The OBE produced to this specification shall be mechanically and electrically interchangeable with existing Fleet installed units. Each module has a watertight titanium housing that contains the signal conditioning electronics. The OBE has two electrical connectors with one connector that connects to the stave assembly and one that connects to the hull penetrator interface cable. All electrical connectors are hermetically sealed and pressure proof.

Placement of a five year Indefinite Delivery, Indefinite Quantity contract with Fixed Price provisions is anticipated. Items shall be procured by issuing delivery orders during the term of the contract estimated to total as follows: FY03 – 324 units, FY04 – 120 units, FY05 – 80 units, FY06 – 80 units, and FY07 – 80 units.

Note: This is a Request For Comments only; do not submit a proposal.

If you consider your company capable of performing this effort, but identify impediments in the Statement of Work (SOW), Contract Data Requirements List (CDRL), or other requirement of the attachments, please tell us. Provide *specific* information regarding how our requirements would need to be changed for your firm to be capable of performing the contract, or for competition to be optimized generally. Do not send any cost data, resumes or other proprietary information. Any suggested

approaches will not be treated as proprietary, and may be reflected in the formal Request for Proposal (RFP).

Our present market information does not warrant setting aside this acquisition for small business. If the responses from this request establish that multiple small businesses, *capable of performing the contract*, are likely to propose, the solicitation will be set aside. If a small business identifies a portion of the contract as being within its capability, the government will consider a contract breakout for set-aside competition. The criteria for breaking out work are that the work can be independently performed without causing the overall effort to become inefficient or ineffective, that the work is substantial enough to warrant the administrative cost of separate competition and administration, and that multiple small businesses, capable of performing the contract, are likely to propose.

We will consider all information received in finalizing the formal solicitation. Respondents should be aware, however, that the needs of the Navy will determine the final RFP text. This is likely to mean that some suggestions will not be adopted.

The attached documents, comprising the draft solicitation, contain only the unique aspects of the proposed solicitation that will result in a contract. The Critical Item Product Specification (CIPS) is a document that is comprised of an unclassified section and a classified section). A CONFIDENTIAL facility security clearance will be required to receive the CIPS and perform under the contract. Those companies interested in submitting an offer on the forthcoming solicitation should request a copy of the unclassified portion of the CIPS and the classified portion of the CIPS from the Contracting Officer or Frank A. Tito at NUWC DIVNPT (401) 832-5090 or email: [titofa@npt.nuwc.navy.mil]. Companies are encouraged to provide comments on the CIPS. This acquisition is not a follow-on contract. The solicitation is only open to US Companies.

The government anticipates release of the formal RFP by Jun 2002. Accordingly, all responses to this RFC should be received by this office no later than Dec 31, 2001. You may respond by letter or facsimile (401) 832-4820 to the attention of Mr. H. J. Marsocci, or by E-MAIL addressed to [marsoccihj@npt.nuwc.navy.mil]. The formal RFP will also be available upon issuance on the NUWC DIVNPT Commercial Acquisition Department homepage at <http://www.npt.nuwc.navy.mil/contract/>.

Sincerely,

H. J. Marsocci
Contracting Officer

Table of contents

1	Preliminary Statement of Work
2	Preliminary DD Form 1423, Contract Data Requirements List
3	DD Form 254, Contract Security Classification Specification
4	Draft CIPS (package available on request)

PRELIMINARY

STATEMENT OF WORK FOR WIDE APERTURE ARRAY OUTBOARD ELECTRONIC CANISTER

1 SCOPE

The purpose of this Statement of Work (SOW) is to obtain Wide Aperture Array (WAA) Outboard Electronic Canister for installation on U.S. Submarines and to provide spares to the stock system.

1.1 Order of Precedence

In cases of conflict between documents that form a part of the contract the following order of precedence shall apply: Contract, Statement of Work (SOW), Critical Item Product Specification (CIPS), Government Furnished Information (GFI), Military / International / Industrial Standards. If the contractor believes or determines that there is a conflict in any requirement in the aforementioned documents, the contractor shall notify NUWC DIVNPT Code 2131, Frank A. Tito, and the Contracting Officer.

2 APPLICABLE DOCUMENTS

The following documents, of the issue in effect on the date of request for proposal, form a part of the SOW for this procurement to the extent stated herein. Additional specifications and standards, applicable to this procurement, are referenced in the Navy documents identified herein.

2.1 Military Standards:

MIL-STD-100G – Engineering Drawings
MIL-STD-129N – Standard Practice for Military Marking
MIL-STD-130K – Identification Marking of U.S. Military Property
MIL-STD-167-1 – Mechanical Vibrations in Shipboard Equipment
MIL-STD-810F – Environmental Engineering Considerations and Laboratory Tests
MIL-STD-2073-1D – Standard Practice for Military Packaging

Preliminary Statement of Work
Wide Aperture Array
Outboard Electronic Canister

2.2 Military Specifications:

MIL-S-901 - Requirements for Shock Tests, H. I. Shipboard Machinery, Equipment and Systems

MIL-HDBK-781 – Handbook for Reliability Test Methods, Plans, and Environments for Engineering, Development, Qualification, and Production

2.3 Other Documents:

ISO 9001 -- Quality Management Systems – Requirements

EIA-649 -- National Consensus Standard for Configuration Management

2.4 Government Furnished Information (GFI):

NAVSEA Drawing No. 53711-733344 Rev 1 - Preliminary - Critical Item Performance Specification for Wide Aperture Array (WAA) Outboard Electronic Canister. The referenced document is unclassified with classified CONFIDENTIAL Appendix I removed.

DD Form 1692 for Engineering Change Proposal

DD Form 1694 for Deviation/Waiver

DD Form 1695 for Notice of Revision

DD Form 1696 for Specification Change Notice

Production Engineering Drawing Package (unclassified) is available through NUWCDIVNPT Code 2131. This drawing package is available for INFORMATIONAL PURPOSES ONLY. The government does not possess validated production drawings for the Wide Aperture Array (WAA) Outboard Electronic Canister. Accordingly, the government does not warrant any of the data in the Wide Aperture Array (WAA) Outboard Electronic Canister production drawing package and a "build to print" approach may not constitute an adequate technical response.

3 REQUIREMENTS

3.1 General Requirements

This SOW defines the design fabrication, assembly, test, inspection, packaging, and delivery of first article and production of Wide Aperture Array (WAA) Outboard Electronic Canister in accordance with the reference documents and GFI listed in paragraph 2.4.

3.2 Program Management

The contractor shall establish the tasks and Program Management to support planning, scheduling, manufacturing, and quality controls essential for fabrication, assembly, test, inspection, documentation, packaging, and delivery of First Article and production units of Wide Aperture Array (WAA) Outboard Electronic Canister. Program Management shall be in effect for the duration of the contract.

3.3 Hardware

3.3.1 First Article Hardware

3.3.1.1 Wide Aperture Array (WAA) Outboard Electronic Canister

The contractor shall design, fabricate, assemble, test, inspect, package and deliver First Article units. All First Article Outboard Electronic Canisters shall meet the performance and environmental requirements of the Functional Baseline, NAVSEA Drawing (53711-733344 Rev 1 - Preliminary), and the First Article Test Baseline as defined in paragraph 4.1.3 of Appendix A. First Article Outboard Electronic Canisters shall be fabricated using written assembly procedures.

3.3.1.2 Waiver of First Article Hardware

The government reserves the right to waive the requirement for First Article and/or testing in part or in whole. In the event that First Article is waived completely, CLIN 0001 will be cancelled and all requirements and data deliverables specifically required for First Article hardware in this SOW, SOW Appendix A, and the Contract Data Requirements List (CDRL) will be cancelled.

3.3.2 Production Hardware

3.3.2.1 Wide Aperture Array (WAA) Outboard Electronic Canister

The contractor shall fabricate, assemble, test, inspect, package and deliver production units. All production Outboard Electronic Canisters shall meet the requirements of NAVSEA Drawing (53711-733344 Rev 1 - Preliminary) (GFI), of the Functional Baseline, and the Product Baseline as defined in paragraph 4.1.4 of Appendix A.

3.4 Configuration Management

The contractor shall establish and maintain a Configuration Management (CM) Program in accordance with SOW Appendix A. The requirements of SOW Appendix A shall be applicable to the extent required to meet the requirements of the SOW. The contractor shall maintain configuration control of the technical data package which includes all specifications, drawings and changes thereto, that make up the First Article Test Baseline, and Product Baseline for the duration of the contract.

The contractor shall develop a Configuration Management Plan to meet the requirements of paragraph 3.4 of the SOW and SOW Appendix A. The plan shall be delivered in accordance with CDRL A017. The contractor shall make all internal Configuration Management plans and procedures available to the government, at the contractor's facility, for government review upon request. The contractor shall provide services for the review. The CM program shall be in effect for the duration of the contract.

Preliminary Statement of Work
Wide Aperture Array
Outboard Electronic Canister

3.4.1 First Article Test Baseline

The contractor shall establish the First Article Test Baseline identifying the configuration of the First Article unit in accordance with paragraph 4.1.3 of Appendix A. The First Article Test Baseline shall meet the requirements of the Functional Baseline. The First Article Test Baseline shall be maintained by the contractor in the First Article Baseline Report (CDRL A018) as defined in paragraph 4.1.3 of Appendix A. All documentation listed on the Baseline shall be made available to the government at least 30 days prior, or as specified in the applicable CDRL, to First Article testing, the Functional Configuration Audit (FCA), and Physical Configuration Audit (PCA). The contractor shall make preliminary copies of the Production Drawing Package, CDRL A015, and First Article Test Procedures, CDRL A010, available to the government at least 30 days prior, or as specified in the applicable CDRL, to First Article testing.

3.4.2 First Article FCA/PCA

The contractor shall conduct a FCA and PCA in accordance with paragraph 4.4 of SOW Appendix A. The contractor shall provide data and documentation as defined in SOW Appendix B (CDRL A019).

3.4.2.1 FCA/PCA Plan

The contractor shall develop a Configuration Audit Plan to meet the requirements of paragraph 4.4 of SOW Appendix A. The plan shall be delivered in accordance with CDRL A001.

3.4.2.2 FCA/PCA Agenda and Minutes

The contractor and the government shall mutually agree on an FCA/PCA agenda. The agenda shall define all information necessary for conducting the audit. At the completion of the FCA/PCA, the contractor shall provide the minutes of the FCA/PCA in accordance with CDRL A002. The conference minutes shall document all resolutions and understandings and list all unresolved issues. All outstanding action items shall include the identification of the responsible party with a plan of action for resolution.

3.4.2.3 Audit Summary Report

At the completion of FCA/PCA and resolution of all outstanding issues, the contractor shall deliver an Audit Summary Report in accordance with CDRL A003. The Audit Summary Report shall include a PCA Certification Package as described in paragraph 4.4.3.5 of SOW Appendix A.

3.4.3 Product Baseline

The product baseline shall meet the requirements specified in paragraph 3.3.2 and the contractor developed drawings and changes thereto that document the configuration of production hardware. The product baseline shall be established prior to delivery of the first production units.

Preliminary Statement of Work
Wide Aperture Array
Outboard Electronic Canister

3.4.3.1 Drawings

The contractor shall develop engineering drawings and associated data in accordance with MIL-STD-100G. Drawings shall be developed in “.dwg” file format and so that they are compatible with AutoCAD Release 14. Drawings shall be delivered on Compact Disc (CDs) in PC format. A drawing tree including all product drawings shall be provided. Associated lists shall include parts lists, data lists, and index lists. Other documents shall include test/inspection procedures and process specifications. Engineering drawings shall be delivered in accordance with CDRL A015. Final delivery shall incorporate all approved changes, and be delivered to the government at the end of the contract in accordance with CDRL A015.

3.4.3.2 Engineering Changes

Engineering Change Proposals (ECPs), Deviations/Waivers, Notices of Revision (NORs), and Specification Change Notices (SCNs) shall be developed in accordance with the requirements of Appendix A, and delivered in accordance with CDRLs A004, A005, A007, and A008 respectively. After the product baseline is established the contractor shall submit all changes to the technical data package. Government review will be for classification only with Class II ECPs, minor waivers, and minor deviations.

3.4.4 Request for Nomenclature

The contractor shall request nomenclature for the Wide Aperture Array (WAA) Outboard Electronic Canister in accordance with CDRL A009. Request for Nomenclature shall be submitted electronically using the Joint Electronic Type Designation Automated System (JTEDS).

3.4.5 Serial Numbers

Serial numbers shall be assigned as follows for the Wide Aperture Array (WAA) Outboard Electronic Canister. Serial numbers shall begin with the First Article samples using designation A001 and continue consecutively throughout production. If First Article is waived, the government will assign production unit serial numbers.

3.5 Quality Assurance Program

The contractor shall establish and manage a comprehensive Quality Assurance (QA) program in accordance with the requirements of ISO-9001 and NAVSEA Drawing (53711-733344 Rev 1 - Preliminary). The QA Program shall address and include inspection system requirements. The contractor shall make all internal documentation available to the government, at the contractor's on-site facility, for government review upon request. The QA program shall be in effect for the duration of the contract.

3.5.1 Nonconforming Material

The contractor shall establish a system, including implementation of a Material Review Board (MRB), to ensure detection, handling and disposition of nonconforming material throughout the

Preliminary Statement of Work
Wide Aperture Array
Outboard Electronic Canister

production phase of the contract. Changes resulting from MRB action shall be submitted to the government in accordance with the Configuration Management provisions of the contract.

3.6 Reliability

The contractor shall establish a Reliability Program in accordance with the Reliability Program Requirements defined in the MIL-HDBK-781. The Reliability Program shall be fully integrated with the QA Program to ensure that there is no duplication of effort. The contractor shall make all internal documentation available to the government, at the contractor's on-site facility, for government review upon request. The Reliability Program shall be in effect for the duration of the contract.

3.6.1 Failure Review Board

The contractor shall establish a Failure Review Board (FRB) that shall be responsible for reviewing all failures, providing failure effects and criticality analysis, and establishing remedial corrective and preventative action. Failure Summary and Analysis Reports shall be delivered in accordance with CDRL A014.

3.7 First Article Test and Inspection

The contractor shall perform First Article tests and inspections in accordance with the Functional Baseline, NAVSEA Drawing (53711-733344 Rev 1 - Preliminary), and the First Article Test Baseline. In the event that First Article Units fail CIPS requirements, the contractor is responsible for redesign, rework, retest, and candidate replacement.

3.7.1 First Article Acceptance Test Plan

The contractor shall make all internal First Article test planning documentation available to the government, at the contractors on-site facility, for government review upon request. The contractor shall provide services for the review.

3.7.2 First Article Test Support Documentation

Prior to conduct of First Article testing, the contractor shall make available to the government preliminary drawings, CDRL A015, and preliminary Acceptance Test Procedures, CDRL A010. The procedures shall establish applicable accept/reject criteria for First Article tests and inspections to ensure that hardware meets the requirements of the Functional Baseline, and the First Article Test Baseline. The First Article Acceptance Test Procedures shall be delivered in accordance with CDRL A010.

3.7.3 First Article Test Report

Upon successful completion of First Article testing, the contractor shall prepare a First Article Test Report. The First Article Test Report shall summarize applicable accept/reject criteria for tests/inspections cited in the CIPS and shall show actual test results on each First Article identified by serial number. The report shall be delivered in accordance with CDRL A012.

Preliminary Statement of Work
Wide Aperture Array
Outboard Electronic Canister

3.7.4 Government First Article Tests

The government reserves the right to observe any contractor performed First Article test and conduct any special testing that it deems necessary. The government will conduct explosive shock testing in accordance with MIL-S-901 (UNDEX). In the event that First Article Units fail CIPS shock test requirements, the contractor is responsible for redesign, rework, retest, and candidate replacement. The government will perform additional First Article tests in accordance with the CIPS, NAVSEA Drawing (53711-733344 Rev 1 - Preliminary). The government may perform qualifying tests, vibration tests, environmental tests, dissection, and analysis on randomly selected samples of First Article units. Should the government decide to conduct special testing, the contractor shall deliver First Article test samples as specified by contract modification.

3.8 Production Testing

3.8.1 In Process Test/Inspection

The contractor shall perform in-process production tests/inspections to ensure that parts/assemblies and processes meet the form, fit, function, quality, and environmental requirements specified in the technical data package and the CIPS. The contractor shall utilize in-process test/inspection procedures established in the First Article sample fabrication phase, wherever feasible. The contractor may use their facilities or any commercial laboratory acceptable to the government for conduct of production tests/inspections.

3.8.2 Plant Acceptance Test

The contractor shall perform final acceptance testing of all production hardware items prior to delivery to the government. Acceptance testing shall ensure that all requirements of the technical data package and the CIPS are met. The contractor is also responsible for assuring that all supplies and services procured conform to technical and contract requirements.

3.8.2.1 Plant Acceptance Test Plan

The contractor shall perform acceptance test planning to ensure that all acceptance test provisions of the CIPS are performed. All internal test plans shall be made available to the government, at the contractor's facility, for government review upon request. The contractor shall provide services for the review. The contractor's internal plans shall include provisions to ensure that applicable acceptance data are accurately transcribed and packed with end item Outboard Electronic Canisters (Test Data Card) as well as to other required acceptance and production status reports.

3.8.2.2 Plant Acceptance Test Procedures

The contractor shall develop Plant Acceptance Test Procedures for testing of production hardware. Test procedures shall include tests performed during First Article acceptance testing whenever possible. The procedures shall establish applicable accept/reject criteria for production tests and inspections to ensure that hardware meets the requirements of the

Preliminary Statement of Work
Wide Aperture Array
Outboard Electronic Canister

Functional Baseline and the Product Baseline. Acceptance Test Procedures shall be delivered in accordance with CDRL A011.

3.8.2.3 Plant Acceptance Test and Inspection Reports

The contractor shall establish a test and inspection reporting system. The reporting system shall identify Plant Acceptance Test Procedures and record actual test results for each unit of production hardware by serial number, including date of acceptance by the government. The report shall identify units that failed Plant Acceptance Tests or were otherwise accepted only after rework and retest. The report shall explain the circumstances and corrective actions taken where rework occurred. The report shall record rework and retest results. The contractor shall deliver test and inspection reports in accordance with CDRL A012.

3.8.3 Government Testing

The government may use its own facilities, or any commercial laboratory for the conduct of any special tests/inspections it deems necessary. The government may elect at any time to randomly select a sample of production units for the purpose of repeating any inspection or test. In the event of failure to pass, the unit or units will be returned to the contractor for failure analysis and corrective action under the warranty provisions of the contract. When notified by the government, the contractor shall provide services for government testing.

3.8.4 Test Data

The contractor shall develop Test Data Cards for each Outboard Electronic Canister to be delivered. Test Data Cards shall be delivered in accordance with CDRL A013.

3.8.5 Failure Reports

The contractor shall document units that failed First Article or Production testing, the nature of the failure, and rework accomplished leading to final acceptance. Failure Summary and Analysis Reports shall be delivered in accordance with CDRL A014.

3.9 Program Review/Audits

3.9.1 Preliminary Design Review (PDR)

Within 90 days after the contract award, a Preliminary Design Review (PDR) shall be conducted at the contractor's facility. The PDR shall evaluate the technical adequacy of the contractor's design, and ensure that the design meets the requirements of the Functional Baseline, including review of the preliminary production documentation, Program Objectives and Milestone Schedule (POAMS), and risk mitigation plans for all Configuration Items.

3.9.2 Critical Design Review (CDR)

At the completion of detail design and prior to commencing First Article Unit assembly, a Critical Design Review (CDR) shall be conducted at the contractor's facility. The CDR shall evaluate the contractor's production design and documentation, and review any changes in design since the PDR including quality control procedures, in-process tests and inspection

Preliminary Statement of Work
Wide Aperture Array
Outboard Electronic Canister

procedures, critical manufacturing processes, plant acceptance test procedures and production plans.

3.9.3 Functional Configuration Audit/Physical Configuration Audit (FCA/PCA)

The contractor shall schedule and provide services for the government's conduct of a concurrent Functional Configuration Audit (FCA) and Physical Configuration Audit (PCA) in accordance with paragraph 4.4 of Appendix A.

3.9.4 Production Program Reviews

Production Program Reviews are to include programmatic, technical and cost issues and will be held as required by the government. The location of the Program Reviews will alternate between the contractor's facility and the NUWC Division Newport facilities in Newport, RI. The first Program Review shall take place at the contractor's facility within 90 days of authorization to commence production.

3.10 Integrated Logistics Support

3.10.1 Technical Repair Standards

The contractor shall develop Technical Repair Standards (TRS). Technical Repair Standards shall be delivered in accordance with CDRL A016. The TRS shall be delivered within 90 days of first production delivery.

3.10.2 Integrated Allowance Document

The Contractor shall develop Integrated Allowance Documents. Integrated Allowance Documents shall be delivered in accordance with CDRL A006.

3.11 Production Progress Reports

The contractor shall deliver Production Progress Reports prepared in the format shown in DD Form 375, Exhibit C (GFI). Progress Reports shall be delivered in accordance with CDRL A020.

3.12 Conferences

The contractor shall arrange conferences at the government's request, and document conference minutes and action items. The contractor shall provide Conference Minutes in accordance with CDRL A002.

4.0 SECURITY

The security level of this work is classified as CONFIDENTIAL.

5.0 ENVIRONMENTAL

The contractor shall be responsible for compliance with all local, state, and federal environmental regulations concerning hazardous materials and hazardous waste utilized and/or generated during the execution of this contract.

Preliminary Statement of Work
Wide Aperture Array
Outboard Electronic Canister

6.0 PACKAGING AND MARKING

The Outboard Electronic Canisters shall be packaged in accordance with MIL-STD-129N and marked in accordance with NAVSEA Drawing (53711-733344 Rev 1 - Preliminary), and MIL-STD-130K. The shipping containers shall meet the rough handling test requirements of MIL-STD-2073-1D. The units shall be cushioned to prevent movement and damage. Each Outboard Electronic Canister and associated shipping container shall be marked with:

Unit nomenclature,
“M/F 2F COG STOCK
‘A’ CONDITION”,
Contract number,
Factory acceptance date,
Serial number,
Manufacturer’s CAGE code,
National Stock Number (TBD)

The Outboard Electronic Canister shipping container shall contain test data card, a certificate of conformance and shall have shipping weight marked.

7.0 DELIVERY

The contractor shall deliver the First Article Test Outboard Electronic Canisters to:

Naval Undersea Warfare Center
Division Newport
Receiving, NETC Bldg 47
47 Chandler St
Newport, RI 02841-1716
Attn: James Thacker, NUWCDIVNPT Code 2131

and the Production Outboard Electronic Canisters to:

NAVSEA Detachment, Consolidated Stock Point
Material Representative (East)
Attn: Mr. Roy Hollowell
Cheatham Annex, Building 13
108 Sandra Dr.
Williamsburg, VA 23185-8792

The contractor shall deliver Production units within 365 days after receiving First Article Approval. The monthly report (Production Progress report, DD form 375) (CDRL A020), defining the events of the month preceding delivery, is required until all material under the

Preliminary Statement of Work
Wide Aperture Array
Outboard Electronic Canister

contract is delivered. Two (2) copies shall be delivered to NUWCDIVNPT, one (1) copy to James Thacker, Code 2131, and one (1) copy to Frank A. Tito, Code 2131.

SOW APPENDIX A

ATTACHMENT 1A

CONFIGURATION MANAGEMENT REQUIREMENTS

FOR

Wide Aperture Array (WAA) Outboard Electronic Canister

Preliminary Statement of Work Wide Aperture Array Outboard Electronic Canister

TABLE OF CONTENTS

SECTION	PAGE
1.0 SCOPE	A-1
1.1 PURPOSE	A-1
2.0 REFERENCED DOCUMENTS	A-1
2.1 MILITARY STANDARDS	A-1
3.0 GENERAL REQUIREMENTS	A-1
3.1 CONTRACTOR ORGANIZATION	A-1
3.1.1 Subcontractor Configuration Management Requirements	A-1
3.2 GOVERNMENT SURVEILLANCE OF CONTRACTOR CONFIGURATION MANAGEMENT	A-2
4.0 CONFIGURATION REQUIREMENTS	A-2
4.1 IDENTIFICATION	A-2
4.1.1 Configuration Items	A-2
4.1.2 Functional Baseline	A-2
4.1.3 First Article Test Baseline	A-2
4.1.4 Product Baseline	A-2
4.1.5 Nomenclature, Serial Number Assignments, and Identification Plates	A-2
4.2 CONFIGURATION CONTROL	A-2
4.2.1 Class I ECPs, Major Deviations/Waivers	A-3
4.2.2 Engineering Release	A-3
4.2.3 Specification Change Notice (SCN)	A-3
4.2.4 Class II ECPs, Minor Deviations/Waivers	A-3
4.3 CONFIGURATION STATUS ACCOUNTING (CSA)	A-3
4.4 CONFIGURATION AUDITS	A-3
4.4.1 Audit Personnel	A-4
4.4.2 Functional Configuration Audit	A-4
4.4.3 Physical Configuration Audit (PCA)	A-4
4.4.3.1 Change Moratorium	A-4
4.4.3.2 Audit Scope	A-4
4.4.3.3 Workmanship Discrepancies	A-5
4.4.3.4 Equipment Retest	A-5
4.4.3.5 PCA Completion	A-5

Preliminary Statement of Work

Wide Aperture Array

Outboard Electronic Canister

1.0 SCOPE

1.1 PURPOSE

This Appendix establishes the requirements for the contractor's Configuration Management (CM) program in accordance with MIL-STD-973.

2.0 REFERENCED DOCUMENTS

The following documents form a part of this appendix to the extent specified herein. In the event of any conflict or inconsistency between this document and the reference documents, this document shall take precedence.

2.1 MILITARY STANDARDS

MIL-STD-100G	Engineering Drawings
MIL-STD-130K	Identification Markings of U. S. Military Property

2.2 OTHER DOCUMENTS

EIA-649	National Consensus Standard for Configuration Management
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3.0 GENERAL REQUIREMENTS

The contractor shall provide and maintain a program for Configuration Management (CM) for the Wide Aperture Array (WAA) Outboard Electronic Canister in accordance with the guidance provided in EIA-649. The EIA-649 paragraphs cited herein include all subparagraphs including referenced appendices unless they are specifically deleted or tailored herein.

3.1 CONTRACTUAL ORGANIZATION

The contractor shall implement an internal CM system to ensure that the responsibilities for CM and the relationships with other program functional groups are defined and included in program management planning using EIA-649 as a guideline. The contractor's CM Program shall include the following:

- a. The contractor shall designate a primary and alternative representative to act as the contractor's point of contact for all matters pertaining to configuration management in this contract.
- b. The contractor's representative shall be present, or otherwise be available, to support the contractor's proposed Class I engineering changes and Requests for Waiver at the government Change Control Board meetings.
- c. CM shall be represented on other contractor boards which meet (such as "Material Review Board", etc.) and the degree of participation and authority on these boards shall be defined.
- d. The contractor's CM plans and procedures for configuration baseline identification, configuration control, configuration status accounting and configuration audits shall be defined in the contractor CM Plan.

3.1.1 Subcontractor Configuration Management Requirements

Preliminary Statement of Work

Wide Aperture Array

Outboard Electronic Canister

The contractor shall ensure that the requirements of this document are applied to subcontractors and suppliers, to the extent necessary to ensure that the configuration integrity of hardware meets the requirements of the SOW.

3.2 GOVERNMENT SURVEILLANCE OF CONTRACTOR CONFIGURATION MANAGEMENT

The NUWCDIVNPT program office and on-site government personnel (DCMC) shall be responsible for surveillance of the contractor's CM program to ensure compliance with contractual requirements. Surveillance will begin at the time of contract award. The contractor shall make available all documents implementing the contractor's CM program. The government will have access to the Contractor's internal information system used to control all engineering changes. The contractor shall provide subcontractor CM documents at the government's request.

4.0 CONFIGURATION REQUIREMENTS

4.1 CONFIGURATION IDENTIFICATION

Baselines applicable to this procurement are the Functional Baseline, the First Article Test Baseline and the Product Baseline. These and other elements of configuration identification are described in the following paragraphs.

4.1.1 Configuration Item

The Configuration Item (CI) for this contract is the Wide Aperture Array (WAA) Outboard Electronic Canister.

4.1.2 Functional Baseline

The Functional Baseline is established at contract award and consists of those documents identified in the Statement of Work and the documents referenced therein. Each configuration item shall be designed, constructed, and tested in accordance with the Functional Baseline and any authorized changes thereto, until the establishment of the Product Baseline for the CI.

4.1.3 First Article Test Baseline

After the Critical Design Review (CDR), and prior to the start of First Article Testing (FAT), a First Article Test Baseline shall be established by the contractor, to monitor and define the hardware configuration identification during testing and shall consist of the engineering documentation that defines each CI under test. The baseline shall be recorded in the First Article Baseline Report (CDRL A018). The First Article Baseline Report shall include the list of drawings and their revision letters that accurately define the First Article units under test.

4.1.4 Product Baseline

The Product Baseline shall consist of the engineering documentation, including inspection and acceptance test requirements that define the CI's identified in paragraph 4.1.1. The Product Baseline shall be established upon completion of the Functional and Physical Configuration Audits (FCA and PCA) and shall reflect the correction of configuration audit deficiencies. Each configuration item shall be built in accordance with the Product Baseline and authorized changes thereto.

4.1.5 Nomenclature, Serial Number Assignments and Identification Plates

The contractor shall provide requests for revisions to Nomenclature, serial number assignments, and identification plates.

4.2 CONFIGURATION CONTROL

Preliminary Statement of Work Wide Aperture Array Outboard Electronic Canister

The contractor shall evaluate, review and implement all government-approved changes to the approved product baseline, as defined in the SOW. All Engineering Changes, Deviations/Waivers, Specification Changes and Notices of Revision to the Product Baseline established under this contract shall be prepared in accordance with the Engineering Changes requirement of the SOW using EIA-649 as guidance for classification.

4.2.1 Class I ECPs Major Deviations/Waivers

Class I ECPs, Major Deviations/Waivers are defined in EIA-649. The contractor shall prepare Class I ECPs, Deviations/Waivers in accordance with the Engineering Changes requirement of the SOW using EIA-649 as a guideline for classification. Prior to the preparation of Class I ECPs and Requests for Deviation (RFDs), the need for a change must be established by technical investigation and analysis by the contractor. The contractor shall prepare preliminary ECP and RFDs when the investigation has produced sufficient evidence to justify the need for an engineering change.

- a. The preceding does not preclude the contractor from voluntarily developing ECPs. The Procuring Contracting Officer (PCO) or his representative may require at any time in writing, the contractor to develop a Class I ECP within the scope of the contract.
- b. The contractor shall, upon request by the government, provide an estimate of the number and kind of man-days considered necessary to prepare a formal ECP.

4.2.2 Engineering Release

The contractor shall assure that all design releases are processed through the CM authority and that configuration identification, change control, and status accounting of engineering releases are accurately maintained to ensure compatibility, traceability, integrity, and control of configuration items.

4.2.3 Specification Change Notice (SCN)

Specification Change Notices (SCNs), when required, shall be prepared in the format specified by the SOW.

4.2.4 Class II ECPs/Minor Deviations/Waivers

Class II ECPs and Minor Deviations (RFD) are defined in EIA-649. The contractor shall submit copies of such changes in electronic format to the DCMC for concurrence in classification only at the contractor's Change Control Board or Material Review Board. Should the contractor proceed with the change prior to government concurrence in classification, they shall do so at their own risk.

4.3 CONFIGURATION STATUS ACCOUNTING (CSA)

The contractor shall implement a CSA system using EIA-649 as a guideline.

4.4 CONFIGURATION AUDITS

The contractor shall schedule and provide services for the government's conduct of Functional Configuration Audits (FCAs) and Physical Configuration Audits (PCAs) for the first article units using EIA-649 as a guideline at the times scheduled on the government-approved milestone schedule. The FCA/PCA shall be held at the contractor's manufacturing facility.

Additionally, configuration audits may be conducted:

Preliminary Statement of Work Wide Aperture Array Outboard Electronic Canister

- a. On the configuration change portion of a major engineering change when the modification to the equipment consists of a functional change to the product baseline.
- b. Following a major change in the manufacturing process.
- c. When the released engineering documentation does not fully and accurately reflect the configuration being produced.
- d. To verify the correction of major discrepancies identified in a previous PCA.

The contractor shall provide the facilities, personnel, and documentation to conduct the audit. The contractor shall prepare a data package (CDRL A001) with applicable data required for the audit. The contractor shall prepare an agenda and minutes for each audit (CDRL A002). The government-approved agenda shall include the audit schedule. The minutes shall document the audit findings and planned corrective actions for reported discrepancies.

4.4.1 Audit personnel

The audit team will consist of government personnel and contractor personnel. The audit team will be chaired by the PMS425 Configuration Manager or his designated representative.

The audit team chairman will have the authority to recommend acceptance or rejection of the equipment.

The contractor shall document (CDRL A001) and include in the audit, minutes, reasons for rejection and disapproval by the audit team and the specific deficiencies shall be noted for further PMS425 review.

4.4.2 Functional Configuration Audit (FCA)

A Functional Configuration Audit (FCA) serves to verify that the system is compliant with the requirements of the CIPS. The functional audit shall be conducted using EIA-649 as a guideline. Prior to the beginning of the FCA the contractor shall provide to the government the First Article Test Baseline documentation (CDRL A018) which fully defines the CI to be audited, and as defined in paragraph 4.1.3 of this appendix. Upon resolution of all FCA problem areas, First Article Test Baseline documentation shall be updated to reflect all necessary changes.

4.4.3 Physical Configuration Audit

The hardware PCA shall verify that the first article test unit as-built hardware conforms fully to the First Article Test Baseline Report. The FCA shall have been successfully completed prior to the beginning of the PCA. All drawings and documentation that were "vaulted" prior to the beginning of the FCA shall be delivered to the government along with all other documentation that the government requests prior to PCA. The PCA shall be conducted using EIA-649 as a guideline. Once the PCA is completed and the government acceptance received, then the contractor shall be responsible to maintain the established Product Baseline for each CI that has passed PCA.

4.4.3.1 Change Moratorium

When the PCA is conducted, a moratorium on changes shall be imposed during the period of audit. All changes in the process of being incorporated into the hardware, and documentation shall be presented to the audit team as the listing of outstanding changes.

4.4.3.2 Audit Scope

Preliminary Statement of Work

Wide Aperture Array

Outboard Electronic Canister

The removal of circuit card assemblies, modules, and replaceable assemblies/parts is required to make visible all assemblies for audits. The PCA will include 100% review of all items identified as repair parts. Access to the equipment in various stages of assembly may be requested by the audit team.

4.4.3.3 Workmanship Discrepancies

In the event that the PCA should incidentally disclose a workmanship problem as opposed to a difference between hardware and baseline documentation, the problem shall be documented (CDRL A003) and referred to the Administrative Contracting Officer and Technical Design Agent for resolution.

4.4.3.4 Equipment Retest

The contractor shall conduct a government-approved retest (GFI) of the audited items after the discrepancies have been identified to ensure that no faults were induced during PCA process.

Production of units shall not commence until all differences between the baseline documentation identified in paragraph 4.1.4 above have been resolved and the resolution approved by the government.

4.4.3.5 PCA Completion

PCA findings will be released at the conclusion of the audit. Upon completion of the PCA, the contractor shall prepare and submit, as part of the audit report, the PCA Certification Package (CDRL A003). The PCA Certification Package shall contain all the discrepancies found during the PCA, changes required to the product baseline as a result of the audit and implementation status of all agreed to discrepancies affecting the as-built hardware and provide proof of incorporation. Such changes shall be appropriately flagged for ready identification, and the contractor shall certify that all such changes are flagged.

Preliminary Statement of Work
Wide Aperture Array
Outboard Electronic Canister

SOW APPENDIX B

ATTACHMENT 1B

**DATA AND DOCUMENTATION AVAILABLE
FOR REVIEW AND INSPECTION AT
PHYSICAL CONFIGURATION AUDIT (PCA PACKAGE)**

Preliminary Statement of Work
Wide Aperture Array
Outboard Electronic Canister

**DATA AND DOCUMENTATION AVAILABLE
FOR REVIEW AND INSPECTION AT PHYSICAL
CONFIGURATION AUDIT (PCA PACKAGE)**

NOTE: This data documentation shall be provided to Physical Configuration Audit (PCA) Team Members or otherwise made readily available for review and inspection (CDRL A019) during on-site PCA. The requirements are stated in the context of audit of the data and documentation intended for configuration management of the production of the Wide Aperture Array (WAA) Outboard Electronic Canister as represented by the First Article sample and separate piece parts thereof.

APP. 1 Cover Sheet, Certification, and Table of Contents comprising: identification of the Wide Aperture Array (WAA) Outboard Electronic Canister by nomenclature and assigned serial numbers; listing and identification of major parts; manufacturer's certification of accuracy; and table of contents shall be included as front material in the PCA Package.

APP. 2 Drawings of the First Article Sample Wide Aperture Array (WAA) Outboard Electronic Canister including descriptions of design changes and reasons for each change shall be included in or attached to the PCA Package.

APP. 3 Configuration Accountability record describing the status of engineering drawing changes and list of materials shall be included in the PCA Package.

APP. 4 Inspection/Test Flow Chart which illustrates where in the production chain each inspection/test is performed and an accompanying list of inspection/test criteria and procedures shall be included in the PCA Package. The inspection and procedures documentation shall be available for review as requested during PCA.

APP. 5 Manufacturing Methods and Process Sheets which describe production procedures, processes, and fixtures used in production of the Wide Aperture Array (WAA) Outboard Electronic Canister shall be listed in the PCA Package. The manufacturing methods and process sheets documentation shall be made available for review as requested during PCA.

APP. 6 Incoming Inspection Control Procedures including the contractor's procurement specifications, list of vendors, and incoming inspection/test criteria and procedures shall be listed and described in the PCA Package. Documentation shall be made available for review as requested during PCA.

APP. 7 Test Procedures for production and production control inspection of the Wide Aperture Array (WAA) Outboard Electronic Canister shall be listed and described in the PCA Package. Documentation shall be made available for review as requested during PCA.

APP. 8 Test Methods sheets and Standards Selection Procedures describing the operation and calibration of test equipment used for production and production control tests shall be listed and described in the PCA Package. Documentation shall be made available for review as requested during PCA.

APP. 9 Nonstandard Parts and Parts Requiring Source Control shall be listed and described in the PCA Package. Documentation shall be made available for review as requested during PCA.

APP. 10 Work Sheets in sufficient quantity for recording the details of the PCA findings and planned corrective actions shall be included in the PCA Package.

CONTRACT DATA REQUIREMENTS LIST <i>(1 Data Item)</i>										Form Approved OMB No. 0704-0188									
Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/Pr No. listed in Block E.																			
A. CONTRACT LINE ITEM NO.				B. EXHIBIT A			C. CATEGORY: TDP _____ TM _____ OTHER X												
D. SYSTEM/ITEM WAA OBE				E. CONTRACT/PR NO. N66604-XXXX-XXXX			F. CONTRACTOR												
1. DATA ITEM NO. A001		2. TITLE OF DATA ITEM CONFIGURATION AUDIT PLAN					3. SUBTITLE												
4. AUTHORITY (Data Acquisition Document No.) DI-CMAN-80556A				5. CONTRACT REFERENCE SEE BLOCK 16			6. REQUIRING OFFICE NUWC DIVNPT, CODE 2131												
7. DD 250 REQ LT		9. DIST STATEMENT REQUIRED D SEE BLK 16		10. FREQUENCY SEE BLK 16		12. DATE OF FIRST SUBMISSION SEE BLK 16		14. DISTRIBUTION a. ADDRESSEE <table><tr><td colspan="2">b. COPIES</td></tr><tr><td>Draft</td><td>Final</td></tr><tr><td>Reg</td><td>Repr</td></tr></table>						b. COPIES		Draft	Final	Reg	Repr
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16. REMARKS BLK 5: SOW 3.4.2, 3.4.2.1, APP A 4.4, 4.4.1 BLK 8: ALLOW 30 DAYS FOR GOVERNMENT REVIEW. BLK 9: SEE ATTACHED ADDENDUM. BLK 10, 12: SUBMIT DRAFT FOR REVIEW NO LATER THAN 90 DAYS PRIOR TO SCHEDULED FCA AND PCA. BLK 13: FINAL SHALL INCORPORATE ALL REVIEW COMMENTS AND CORRECTIONS.								2131 JIM THACKER		1	1								
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16. REMARKS BLK 5: SOW 3.4.2.2, 3.12, APP A 4.4, 4.4.1 BLK 9: SEE ATTACHED ADDENDUM. BLK 10, 12 & 13: SUBMIT NOT LATER THAN 15 DAYS AFTER COMPLETION OF EACH PROGRAM REVIEW OR CONFERENCE (SCHEDULE GFI).								2131 JIM THACKER		0	1	
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16. REMARKS BLK 5: SOW 3.4.2.3, APP A 4.4.3.3, 4.4.3.5 BLK 8: ALLOW 30 DAYS FOR GOVERNMENT REVIEW. BLK 9: SEE ATTACHED ADDENDUM. BLK 10, 12: SUBMIT DRAFT FOR REVIEW NOT LATER THAN 15 DAYS AFTER COMPLETION OF FCA/PCA. BLK 13: FINAL SHALL INCORPORATE ALL REVIEW COMMENTS AND CORRECTIONS.								2131 JIM THACKER		1	1		
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7. DD 250 REQ LT		9. DIST STATEMENT REQUIRED D		10. FREQUENCY SEE BLOCK 16		12. DATE OF FIRST SUBMISSION SEE BLOCK 16		14. DISTRIBUTION					
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16. REMARKS BLK 8: ALLOW 30 DAYS FOR GOVERNMENT REVIEW. APPROVAL REQUIRED FOR MAJOR DEVIATIONS. CONCURRENCE IN CLASSIFICATION IS ONLY APPLICABLE TO MINOR DEVIATIONS. BLK 9: SEE ATTACHED ADDENDUM. BLK 10 & 12: SUBMIT NOT LATER THAN 10 DAYS AFTER NEED FOR CHANGE IS KNOWN. BLK 13: RESUBMISSION SHALL INCORPORATE ALL REVIEW COMMENTS AND CORRECTIONS. BLK 16: DELIVER ON GFI FORM IN .DOC FORMAT								2131 JIM THACKER		1	1		
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1. DATA ITEM NO. A010		2. TITLE OF DATA ITEM TEST PROCEDURE					3. SUBTITLE FIRST ARTICLE TEST PROCEDURE									
4. AUTHORITY (Data Acquisition Document No.) DI-NDTI-80603				5. CONTRACT REFERENCE SOW 3.4.1, 3.7.2			6. REQUIRING OFFICE NUWCDIVNPT, CODE 2131									
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D. SYSTEM/ITEM WAA OBE				E. CONTRACT/PR NO. N66604-xxxx-xxxx			F. CONTRACTOR						
1. DATA ITEM NO. A012		2. TITLE OF DATA ITEM TEST INSPECTION REPORTS				3. SUBTITLE							
4. AUTHORITY (Data Acquisition Document No.) DI-NDTI-80809B				5. CONTRACT REFERENCE SOW 3.7.3, 3.8.2.3			6. REQUIRING OFFICE NUWC DIVNPT, CODE 2131						
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								LOCAL DCAS		1			
								15. TOTAL					
G. PREPARED BY 2131 JIM THACKER				H. DATE		I. APPROVED BY DEPT DATA MANAGER				J. DATE			

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

CONTRACT DATA REQUIREMENTS LIST <i>(1 Data Item)</i>										<i>Form Approved</i> OMB No. 0704-0188			
Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/Pr No. listed in Block E.													
A. CONTRACT LINE ITEM NO.				B. EXHIBIT A				C. CATEGORY: TDP _____ TM _____ OTHER X					
D. SYSTEM/ITEM WAA OBE						E. CONTRACT/PR NO. N66604-xxxx-xxxx				F. CONTRACTOR			
1. DATA ITEM NO. A013		2. TITLE OF DATA ITEM TEST DATA CARDS FOR TRANSDUCERS &						3. SUBTITLE					
4. AUTHORITY (Data Acquisition Document No.) DI-GDRQ-81048						5. CONTRACT REFERENCE SOW 3.8.4				6. REQUIRING OFFICE NUWCDIVNPT, CODE 2131			
7. DD 250 REQ LT		9. DIST STATEMENT REQUIRED D SEE BLK 16		10. FREQUENCY SEE BLK 16		12. DATE OF FIRST SUBMISSION SEE BLOCK 16		14. DISTRIBUTION					
8. APP CODE N/A				11. AS OF DATE N/A		13. DATE OF SUBSEQUENT SUBMISSION SEE BLOCK 16		a. ADDRESSEE		b. COPIES			
										Draft		Final	
										Reg		Repr	
16. REMARKS BLK 9: SEE ATTACHED ADDENDUM. BLKS 10, 12 & 13: THE APPLICABLE TEST DATA CARD SHALL BE PACKED WITH ITS ASSOCIATED HARDWARE AT THE TIME OF SHIPMENT. A SET OF TEST DATA CARDS SHALL BE SENT TO EACH ADDRESSEE AT THE TIME OF SHIPMENT.								2131 JIM THACKER		0	1		
								2131 FRANK A TITO		0	1		
								LOCAL DCAS		0	1		
15. TOTAL								0	3				
G. PREPARED BY 2131 JIM THACKER				H. DATE		I. APPROVED BY DEPT DATA MANAGER				J. DATE			

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

CONTRACT DATA REQUIREMENTS LIST (1 Data Item)										Form Approved OMB No. 0704-0188			
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A. CONTRACT LINE ITEM NO.				B. EXHIBIT A				C. CATEGORY: TDP _____ TM _____ OTHER X					
D. SYSTEM/ITEM WAA OBE				E. CONTRACT/PR NO. N66604-xxxx-xxxx				F. CONTRACTOR					
1. DATA ITEM NO. A014		2. TITLE OF DATA ITEM FAILURE SUMMARY AND ANALYSIS REPORT						3. SUBTITLE					
4. AUTHORITY (Data Acquisition Document No.) DI-RELI-80255				5. CONTRACT REFERENCE SOW 3.6.1, 3.8.5				6. REQUIRING OFFICE NUWCDIVNPT, CODE 2131					
7. DD 250 REQ LT		9. DIST STATEMENT REQUIRED D SEE BLK 16		10. FREQUENCY SEE BLOCK 16		12. DATE OF FIRST SUBMISSION SEE BLOCK 16		14. DISTRIBUTION					
8. APP CODE A				11. AS OF DATE N/A		13. DATE OF SUBSEQUENT SUBMISSION 10 DARC		a. ADDRESSEE		b. COPIES			
										Draft		Final	
										Reg		Repr	
16. REMARKS BLK 8: ALLOW 30 DAYS FOR GOVERNMENT REVIEW. BLK 9: SEE ATTACHED ADDENDUM. BLK 10 & 12: REPORTS SHALL BE SUBMITTED NOT LATER THAN 10 DAYS AFTER EACH FAILURE. BLK 13: FINAL SHALL INCORPORATE ALL REVIEW COMMENTS AND CORRECTIONS.								2131 JIM THACKER		1	1		
								2131 FRANK A TITO		1	1		
								LOCAL DCAS		1	1		
15. TOTAL								3	3				
G. PREPARED BY 2131 JIM THACKER				H. DATE		I. APPROVED BY DEPT DATA MANAGER				J. DATE			

CONTRACT DATA REQUIREMENTS LIST (1 Data Item)										Form Approved OMB No. 0704-0188					
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A. CONTRACT LINE ITEM NO.				B. EXHIBIT A			C. CATEGORY: TDP _____ TM _____ OTHER X								
D. SYSTEM/ITEM WAA OBE				E. CONTRACT/PR NO. N66604-XXXX-XXXX			F. CONTRACTOR								
1. DATA ITEM NO. A015		2. TITLE OF DATA ITEM PRODUCT DRAWINGS AND ASSOCIATED LISTS						3. SUBTITLE							
4. AUTHORITY (Data Acquisition Document No.) DI-DRPR-81000A				5. CONTRACT REFERENCE SOW 3.4.1, 3.4.3.1, 3.7.2				6. REQUIRING OFFICE NUWCDIVNPT, CODE 2131							
7. DD 250 REQ DD		9. DIST STATEMENT REQUIRED D		10. FREQUENCY SEE BLOCK 16		12. DATE OF FIRST SUBMISSION SEE BLOCK 16		14. DISTRIBUTION							
8. APP CODE A		11. AS OF DATE N/A		13. DATE OF SUBSEQUENT SUBMISSION SEE BLOCK 16		a. ADDRESSEE				b. COPIES					
										Draft		Final			
								Reg				Repr			
16. REMARKS BLK 4: SEE ATTACHED TDP OPTION SELECTION WORKSHEET BLK 7: NUWC, CODE 2131 SHALL SIGN DD FORM 250 FOR ACCEPTANCE FINAL SUBMISSION ONLY. DRAFT AND DRAWING UPDATE DELIVERIES SHALL BE BY LETTER OF TRANSMITTAL ONLY. BLK 9: SEE ATTACHED ADDENDUM. BLK 10,12,13: DRAFT COPIES OF THE PRODUCTION PACKAGE TO BE SUBMITTED 60 DAYS PRIOR TO PCA/FCA. FINAL COPIES OF THE PRODUCTION PACKAGE SHALL BE DELIVERED 30 DAYS AFTER RECEIPT -- COMMENTS. SUBMIT REVISIONS TO DRAWINGS ASSOCIATED WITH CLASS -- ECPS NLT 60 DAYS AFTER ECP APPROVAL. SUBMIT REVISIONS TO DRAWINGS FOR CLASS II CHANGES EVERY 60 DAYS. SUBMIT COMPLETE DWG PACKAGE W/CHANGES INCORPORATED NLT 60 AFTER CONTRACT AWARD.								2131 JIM THACKER				1	2		
								2131 FRANK A TITO				1	1		
								LOCAL DCAS				1	1		
15. TOTAL								3	4	0					
G. PREPARED BY 2131 JIM THACKER				H. DATE		I. APPROVED BY DEPT DATA MANAGER				J. DATE					

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

CONTRACT DATA REQUIREMENTS LIST <i>(1 Data Item)</i>										Form Approved OMB No. 0704-0188		
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A. CONTRACT LINE ITEM NO.			B. EXHIBIT A			C. CATEGORY: TDP _____ TM _____ OTHER X						
D. SYSTEM/ITEM WAA OBE				E. CONTRACT/PR NO. N66604-xxxx-xxxx			F. CONTRACTOR					
1. DATA ITEM NO. A016		2. TITLE OF DATA ITEM TECHNICAL REPAIR STANDARDS				3. SUBTITLE						
4. AUTHORITY (Data Acquisition Document No.) MIL-M-24784/7A				5. CONTRACT REFERENCE SOW 3.10.1			6. REQUIRING OFFICE NUWCDIVNPT, CODE 2131					
7. DD 250 REQ LT		9. DIST STATEMENT REQUIRED D		10. FREQUENCY SEE BLK 16		12. DATE OF FIRST SUBMISSION SEE BLOCK 16		14. DISTRIBUTION				
8. APP CODE A		SEE BLK 16		11. AS OF DATE N/A		13. DATE OF SUBSEQUENT SUBMISSION 30 DARC		a. ADDRESSEE		b. COPIES		
16. REMARKS BLK 8: ALLOW 90 DAYS FOR GOVERNMENT REVIEW. FINAL SUBMISSION SHALL INCORPORATE ALL REVIEW COMMENTS AND CORRECTIONS. BLK 9: SEE ATTACHED ADDENDUM. BLK 10, 12: SUBMIT NLT 90 DAYS AFTER FIRST PRODUCTION DELIVERY. BLK 13: SUBSEQUENT SUBMISSIONS SHALL BE MADE FOR ANY ENGINEERING CHANGE PROPOSALS THAT AFFECTS THE TRS. RESUBMITTALS SHALL INCORPORATE ALL GOVERNMENT COMMENTS AND CORRECTIONS.								Draft		Final		
								Reg		Repr		
								2131 JIM THACKER		1	1	
								2131 FRANK A TITO		1	1	
								2131 SUSAN COHICK		1	1	
								LOCAL DCAS		1	1	
15. TOTAL								3	3			
G. PREPARED BY 2131 JIM THACKER				H. DATE		I. APPROVED BY DEPT DATA MANAGER			J. DATE			

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

CONTRACT DATA REQUIREMENTS LIST <i>(1 Data Item)</i>										Form Approved OMB No. 0704-0188			
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A. CONTRACT LINE ITEM NO.				B. EXHIBIT A			C. CATEGORY: TDP _____ TM _____ OTHER X						
D. SYSTEM/ITEM WAA OBE				E. CONTRACT/PR NO. N66604-XXXX-XXXX			F. CONTRACTOR						
1. DATA ITEM NO. A017		2. TITLE OF DATA ITEM CONTRACTOR'S CONFIGURATION MANGEMENT PLAN						3. SUBTITLE					
4. AUTHORITY (Data Acquisition Document No.) DI-CMAN-80858B				5. CONTRACT REFERENCE SOW 3.4			6. REQUIRING OFFICE NUWCDIVNPT, CODE 2131						
7. DD 250 REQ LT		9. DIST STATEMENT REQUIRED D		10. FREQUENCY SEE BLK 16		12. DATE OF FIRST SUBMISSION SEE BLOCK 16		14. DISTRIBUTION					
8. APP CODE A		SEE BLK 16		11. AS OF DATE N/A		13. DATE OF SUBSEQUENT SUBMISSION 30 DARC		a. ADDRESSEE			b. COPIES		
											Draft		Final
16. REMARKS BLK 4: MAY BE SUBMITTED IN CONTRACTOR FORMAT INCLUDING EQUIVALENT DETAIL. BLK 8: ALLOW 45 DAYS FOR GOVERNMENT REVIEW. BLK 9: SEE ATTACHED ADDENDUM. BLK 10, 12: SUBMISSION DUE CONCURRENT WITH PCA AUDIT. FINAL SHALL INCORPORATE ALL REVIEW COMMENTS AND CORRECTIONS.								2131 JIM THACKER			1	1	
								2131 FRANK A TITO			1	1	
								LOCAL DCAS			1	1	
15. TOTAL								3	3				
G. PREPARED BY 2131 JIM THACKER				H. DATE		I. APPROVED BY DEPT DATA MANAGER				J. DATE			

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

CONTRACT DATA REQUIREMENTS LIST <i>(1 Data Item)</i>										Form Approved OMB No. 0704-0188				
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A. CONTRACT LINE ITEM NO.				B. EXHIBIT A			C. CATEGORY: TDP _____ TM _____ OTHER X							
D. SYSTEM/ITEM WAA OBE				E. CONTRACT/PR NO. N66604-XXXX-XXXX			F. CONTRACTOR							
1. DATA ITEM NO. A019		2. TITLE OF DATA ITEM TECHNICAL REPORT - STUDY/SERVICES					3. SUBTITLE FIRST ARTICLE FCA/PCA PACKAGE							
4. AUTHORITY (Data Acquisition Document No.) DI-MISC-80508				5. CONTRACT REFERENCE SOW 3.4.2, APP B			6. REQUIRING OFFICE NUWCDIVNPT, CODE 2131							
7. DD 250 REQ LT		9. DIST STATEMENT REQUIRED D		10. FREQUENCY SEE BLK 16		12. DATE OF FIRST SUBMISSION SEE BLOCK 16		14. DISTRIBUTION						
8. APP CODE A		SEE BLK 16		11. AS OF DATE N/A		13. DATE OF SUBSEQUENT SUBMISSION 30 DARC		a. ADDRESSEE			b. COPIES			
											Draft		Final	
											Reg		Repr	
16. REMARKS BLK 9: SEE ATTACHED ADDENDUM. BLK 10, 12: SUBMISSION DUE CONCURRENT WITH PCA AUDIT.								2131 JIM THACKER			1	1		
								2131 FRANK A TITO			1	1		
								LOCAL DCAS			1	1		
15. TOTAL								3	3					
G. PREPARED BY 2131 JIM THACKER				H. DATE		I. APPROVED BY DEPT DATA MANAGER				J. DATE				

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

DD FORM 1423
CONTRACT DATA REQUIREMENTS LIST
BLOCK 16 ADDENDUM

BLOCK 9: The following information is specifically included in amplification of the Block 9 Distribution Statement selected:

Distribution Statement paragraphs are in addition to CLASSIFICATION markings of the data.

CDRLs A001 thru A020:

BLOCK 9:

Distribution Statement D: Distribution authorized to DoD and DoD contractors only; Critical Technology; (date data generated). Other requests for this document shall be referred to NUWCDIVNPT, Code 2131.

The following "EXPORT CONTROL WARNING NOTE" must be used in conjunction with DISTRIBUTION STATEMENTS identified in all CDRL Items.

WARNING - This document contains technical data whose export is restricted by the Arms Export Control Act (Title 22, U.S.C. Sec. 2751 et seq.) or the Export Administration Act of 1979, as amended, Title 50, U.S.C., App 2401 et seq. Violations of these export laws are subject to severe criminal penalties. Disseminate in accordance with provisions of DoD Directive 5230.25.

Department of Defense				1. CLEARANCE AND SAFEGUARDING	
Contract Security Classification Specification <i>(The requirements of the DoD Industrial Security Manual apply to all security aspects of this effort.)</i>					
				a. FACILITY CLEARANCE REQUIRED CONFIDENTIAL	
				b. LEVEL OF SAFEGUARDING REQUIRED CONFIDENTIAL	
2. THIS SPECIFICATION IS FOR: <i>(x and complete as applicable)</i>				3. THIS SPECIFICATION IS: <i>(x and complete as applicable)</i>	
<input type="checkbox"/> a. PRIME CONTRACT NUMBER		<input checked="" type="checkbox"/> a. ORIGINAL <i>(Complete date in all cases)</i>		DATE (YYMMDD) 011022	
<input type="checkbox"/> b. SUBCONTRACT NUMBER		<input type="checkbox"/> b. REVISED <i>(Supersedes all previous specs)</i>		REVISION NO.	DATE (YYMMDD)
<input checked="" type="checkbox"/> c. SOLICITATION OR OTHER NUMBER N66604-1123-0001		DUE DATE (YYMMDD)		<input type="checkbox"/> c. FINAL <i>(Complete item 5 in all cases)</i>	DATE (YYMMDD)
4. IS THIS A FOLLOW-ON CONTRACT? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO. If YES, complete the following:					
Classified material received or generated under _____ <i>(Preceding Contract Number)</i> is transferred to this follow-on contract.					
5. IS THIS A FINAL DD FORM 254? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> NO. If Yes, complete the following:					
In response to the contractor's _____, retention of the identified classified material is authorized for the period of _____ request dated _____					
6. CONTRACTOR <i>(Include Commercial and Government Entity (CAGE) Code)</i>					
a. Name, Address, And Zip Code THIS DD 254 IS FOR BIDDING PURPOSES ONLY. AN ORIGINAL DD 254 WILL BE ISSUED UPON AWARD OF CONTRACT.		b. CAGE CODE		c. COGNIZANT SECURITY OFFICE <i>(Name, Address, and Zip Code)</i>	
7. SUBCONTRACTOR					
a. Name, Address, And Zip Code		b. CAGE CODE		c. COGNIZANT SECURITY OFFICE <i>(Name, Address, and Zip Code)</i>	
8. ACTUAL PERFORMANCE					
a. Location		b. CAGE CODE		c. COGNIZANT SECURITY OFFICE <i>(Name, Address, and Zip Code)</i>	
9. GENERAL IDENTIFICATION OF THIS PROCUREMENT WIDE APERTURE ARRAY (WAA) OUTBOARD ELECTRONIC CANISTER					
10. THIS CONTRACT WILL REQUIRE ACCESS TO:		YES	NO	11. IN PERFORMING THIS CONTRACT, THE CONTRACTOR WILL:	
A. COMMUNICATIONS SECURITY (COMSEC) INFORMATION		<input type="checkbox"/>	<input checked="" type="checkbox"/>	A. HAVE ACCESS TO CLASSIFIED INFORMATION ONLY AT ANOTHER CONTRACTOR'S FACILITY OR A GOVERNMENT ACTIVITY	
B. RESTRICTED DATA		<input type="checkbox"/>	<input checked="" type="checkbox"/>	B. RECEIVED CLASSIFIED DOCUMENTS ONLY	
C. CRITICAL NUCLEAR WEAPON DESIGN INFORMATION		<input type="checkbox"/>	<input checked="" type="checkbox"/>	C. RECEIVE AND GENERATE CLASSIFIED MATERIAL	
D. FORMERLY RESTRICTED DATA		<input type="checkbox"/>	<input checked="" type="checkbox"/>	D. FABRICATE, MODIFY, OR STORE CLASSIFIED HARDWARE	
E. INTELLIGENCE INFORMATION:		<input type="checkbox"/>	<input checked="" type="checkbox"/>	E. PERFORM SERVICES ONLY	
(1) Sensitive Compartmented Information (SCI)		<input type="checkbox"/>	<input checked="" type="checkbox"/>	F. HAVE ACCESS TO U.S. CLASSIFIED INFORMATION OUTSIDE THE U.S., PUERTO RICO, U.S. POSSESSIONS AND TRUST TERRITORIES	
(2) Non-SCI		<input type="checkbox"/>	<input checked="" type="checkbox"/>	G. BE AUTHORIZED TO USE THE SERVICES OF DEFENSE TECHNICAL INFORMATION CENTER (DTIC) OR OTHER SECONDARY DISTRIBUTION CENTER	
F. SPECIAL ACCESS INFORMATION		<input type="checkbox"/>	<input checked="" type="checkbox"/>	H. REQUIRE A COMSEC ACCOUNT	
G. NATO INFORMATION		<input type="checkbox"/>	<input checked="" type="checkbox"/>	I. HAVE TEMPEST REQUIREMENTS	
H. FOREIGN GOVERNMENT INFORMATION		<input type="checkbox"/>	<input checked="" type="checkbox"/>	J. HAVE OPERATIONS SECURITY (OPSEC) REQUIREMENTS	
I. LIMITED DISSEMINATION INFORMATION		<input type="checkbox"/>	<input checked="" type="checkbox"/>	K. BE AUTHORIZED TO USE THE DEFENSE COURIER SERVICE	
J. FOR OFFICIAL USE ONLY INFORMATION		<input checked="" type="checkbox"/>	<input type="checkbox"/>	L. OTHER <i>(Specify)</i>	
K. OTHER <i>(Specify)</i>		<input type="checkbox"/>	<input checked="" type="checkbox"/>		

12. PUBLIC RELEASE. Any information (classified or unclassified) pertaining to this contract shall not be released for public dissemination except as provided by the Industrial Security Manual or unless it has been approved for public release by appropriate U.S. Government authority. Proposed public releases shall be submitted for approval prior to release

2 ☐ Direct ☐ Through (Specify): NONE AUTHORIZED

to the Directorate for Freedom of Information and Security Review, Office of the Assistant Secretary of Defense (Public Affairs) * for review.
In the case of non-DOD User Agencies, requests for disclosure shall be submitted to that agency.

13. SECURITY GUIDANCE. The security classification guidance needed for this classified effort is identified below. If any difficulty is encountered in applying this guidance or if any other contributing factor indicates a need for changes in this guidance, the contractor is authorized and encouraged to provide recommended changes; to challenge the guidance or the classification assigned to any information or material furnished or generated under this contract; and to submit any questions for interpretation of this guidance to the official identified below. Pending final decision, the information involved shall be handled and protected at the highest level of classification assigned or recommended. (Fill in as appropriate for the classified effort. Attach, or forward under separate correspondence, any documents/guides/extracts referenced herein. Add additional pages as needed to provide complete guidance.)

THE FOLLOWING SECURITY CLASSIFICATION GUIDES WILL BE FORWARDED UPON REQUEST: OPNAVINST S5513.5B, ENCLOSURE (88.1) AN/BSY-2, SUBMARINE COMBAT SYSTEM ; ENCLOSURE (104.1) SUBMARINE COMBAT SYSTEMS (AN/BSY-1 COMBAT CONTROL/ACOUSTIC SET, CCS MK 1, CCS MK 2 & TLAM-N PLS). CLASSIFIED AND UNCLASSIFIED TECHNICAL INFORMATION GENERATED UNDER THIS CONTRACT SHALL BE ASSIGNED A DISTRIBUTION STATEMENT BEFORE DISCLOSURE/DISTRIBUTION CONSULT THE COR (CONTRACTING OFFICER'S REPRESENTATIVE) FOR INFORMATION ON APPLYING THE CORRECT DISTRIBUTION STATEMENT. PERSONNEL ACCESSING CLASSIFIED INFORMATION IN PERFORMANCE OF THIS CONTRACT NEED ONLY POSSESS A SECURITY CLEARANCE AT THE LEVEL NECESSARY TO ACCOMPLISH THE TASK. THE HIGHEST LEVEL OF CLASSIFICATION FOR THIS CONTRACT IS CONFIDENTIAL. FOR OFFICIAL USE ONLY INFORMATION PROVIDED UNDER THIS CONTRACT SHALL BE PLACED IN AN OUT-OF-SIGHT LOCATION IF THE WORK AREA IS ACCESSIBLE TO PERSONS WHO DO NOT HAVE A NEED FOR THE INFORMATION DURING WORKING HOURS. DURING NONWORKING HOURS, THE INFORMATION SHALL BE STORED TO PRECLUDE UNAUTHORIZED ACCESS. FILING FOUO WITH UNCLASSIFIED RECORDS IN UNLOCKED FILES OR DESKS IS ADEQUATE WHEN INTERNAL BUILDING SECURITY IS PROVIDED DURING NONWORKING HOURS. WHEN SUCH INTERNAL SECURITY CONTROL IS NOT EXERCISED, LOCKED BUILDING OR ROOMS WILL PROVIDE ADEQUATE AFTER-HOURS PROTECTION OR THE MATERIAL CAN BE STORED IN LOCKED RECEPTACLES SUCH AS FILE CABINETS, DESKS OR BOOKCASES. DESTRUCTION WILL BE BY SAME MEANS AS CLASSIFIED INFORMATION (I. E., SHREDDING, BURNING ECT).

ESTIMATED COMPLETION DATE

COGNIZANT COTRI//PROGRAM MANAGER, NAME, CODE, TEL. NO.

DECEMBER 2007

FRANK TITO, CODE 2131, (401) 832-5090

14. ADDITIONAL SECURITY REQUIREMENTS. REQUIREMENTS, IN ADDITION TO ISM REQUIREMENTS, ARE ESTABLISHED FOR THIS CONTRACT. (If Yes, identify the pertinent contractual clauses in the contract document itself, or provide an appropriate statement which identifies the additional requirements. Provide a copy of the requirements to the cognizant security office. Use Item 13 if additional space is needed.)

☐ YES

☒ NO

15. INSPECTIONS. Elements of this contract are outside the inspection responsibility of the cognizant security office. (If Yes, explain and identify specific areas or elements carved out and the activity responsible for inspections. Use Item 13 if additional space is needed.)

☐ YES

☒ NO

16. CERTIFICATION AND SIGNATURE. Security requirements stated herein are complete and adequate for safeguarding the classified information to be released or generated under this classified effort. All questions shall be referred to the official named below.

a. TYPED NAME OF CERTIFYING OFFICIAL

b. TITLE

c. TELEPHONE (INCLUDE AREA CODE)

KIM N. HOLDER

SECURITY SPECIALIST

(401) 832-1931

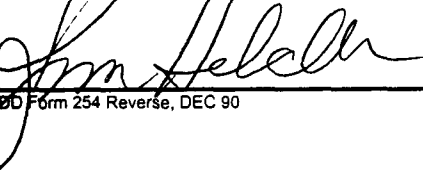
d. ADDRESS (Include Zip Code):

NAVAL UNDERSEA WARFARE CENTER DIVISION

1176 HOWELL STREET

NEWPORT, RI 02841-1708

e. SIGNATURE



17. REQUIRED DISTRIBUTION

☒

a. CONTRACTOR

☐

b. SUBCONTRACTOR

☒

c. COGNIZANT SECURITY OFFICE FOR PRIME AND SUBCONTRACTOR

☐

d. U.S. ACTIVITY RESPONSIBLE FOR OVERSEAS SECURITY ADMINISTRATION

☒

e. ADMINISTRATIVE CONTRACTING OFFICER

☐

f. OTHERS AS NECESSARY